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The Microsoft BI Certification training program equips the delegates with the essential knowledge and skills required to work with the Microsoft Business Intelligence stack. The candidates will be introduced to the concepts of Connecting Managers, Data Warehousing, Transformations, ETL Solutions and other operations. The course provides an overview of SQL Server, Integration, Analysis and Reporting. Master MSBI tools such as SSAS, SSIS, SSRS using SQL Server with our Microsoft BI Certification training program.

Business Intelligence signifies the approaches and techniques used by enterprises to analyse data of business information. BI plays a crucial role in the process of strategic planning within the organisation. The course teaches delegates how to design and deploy BI solutions that distribute more data to more people across the organisation. This certification helps the delegates in acquiring the competitive edge to become an expert and work as business intelligence or reporting engineer.

What is included in the course?

- Highly certified and well experienced Instructor
- Silicon Beach Training's Microsoft BI Certification Manual
- Completion Certificate
- Refreshments

Prerequisites

No formal prerequisites are required to attend the course. The course is accessible to all individuals who want to develop their knowledge of Microsoft BI.

Course Objectives

- Know the architecture of the Microsoft Business Intelligence
- Explain the concepts of Multidimensional Modeling, ETL and Transformations in SSIS
- Understand the concepts of OLAP database and tables in SSAS
- Explain Data Modeling, Representation and Transformation for BI

Overview of BI

- What is BI?
- Understand the concept of Data Modeling

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Overview of ETL

- Introduction to ETL
- Steps involved:
  - Extract
  - Transform
  - Load

Work with Connection Managers

- Introduction to Connection Managers
- Logical representation of a connection
- Various types of Connection Managers
- How to load faster with OLE DB
- Comparing the performance of OLE DB and ADO.net
- Work with Excel Connection Managers
- Learn about Bulk Insert
- Identify the problems

Data Transformations

- Introduction to Data Transformation
- Convert data from one format to another
- Explain the concepts of Character Map
- Data Column Transformation
- Copy Column Transformation
- Import and export column transformation
- Script and OLEDB Command Transformation
- What is row sampling?
- Aggregate and sort transformation
- Percentage and row sampling

Advance Data Transformation

- Pivot and UnPivot Transformation
- Audit and Row Count Transformation
- Working with Split and Join Transformation
- Studying Lookup and Cache Transformation
- Integrating with Azure Analysis Services
- Elastic nature of MSBI to integrate with the Azure cloud service
- Scale out deployment option for MSBI
- Data types
  - On-premise
  - Cloud
- Working with cloud-borne data sources and query analysis
- Scaling out the SSIS package
- Deploying for tighter windows
- Working with a larger amount of data sources
- SQL Server vNext for enhancing SQL Server features
- Development languages

Slowly Changing Dimensions

- Understanding data that gradually changes over time

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    - Type2
    - Type3
- Differences

Overview of Fuzzy Look-up Transformation and Lookup and Term Extraction

- Understanding how Fuzzy Lookup Transformation varies from Lookup Transformation
- The concept of Fuzzy matching

Concepts of Logging & Configuration

- Learning about error rows configuration
- Package logging
- Defining package configuration
- Understanding constraints and event handlers

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